

DXpedition News

Brunei - V8 Richard Kulaga KE7XO returns to Brunei Nov. 23-Dec. 2, and expects to operate under his previous call of **V85XO** on SSB Nov. 25-28, on 28480 and 21300 kHz (21190 kHz, too). RTTY Nov. 29-Dec. 2, on 21080 and 28125/080 kHz, listening down 5 kHz. QSL home call: 4741 Brushfire, North Las Vegas NV 89030.

Turks and Caicos Islands - VP5 Joe Pater WB8GEX will operate as **VP5?** Nov. 27-Dec. 2, from Providenciales (NA-002). 75-10 meters, SSB only. Joe will operate split as needed, and actually prefers the last two letters of your call. QSL WB8GEW.

Bahamas - C6 Bill Wiseman KM1E will operate **/C6A** Dec. 1-Jan. 15, and throughout March. He'll be on 160-6 meters. Try 1800-25 and 1975-2000 kHz on Top Band. QSL home call: P. O. Box 120, Woolwich ME 04579.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

More CQWW CW Entries

- **8R1Z** is a single-op, all-band (S/A) entry by Martti Laine OH2BH. He'll be on CW outside the test, Nov. 20-26. QSL home call.
- **XE2/K4TKM** Is Brook Byers in a S/A entry from Mexico. QSL home call.
- **ZS6BCR** reserves his 'continent,' with plans for a 10-meter S/S entry. QSL home address: Chris Burger, Box 4485, Pretoria 0001 RSA.
- **P40J** is a S/A effort by Bob WX4G. He'll be active on CW and SSB on all bands, including the new bands, outside the test; QSL home call.
- **6D2X** will be a S/A entry by XE2XSQ; QSL to KD5GY.

November 22, 1991

Issue 614

Last-Minute CQWW CW Updates

- **PJ9A** is the Radioteam Finland's multi-multi operation from Curacao. QSL PJ9A to Keijo Veijanen OH6FT, Box 599, SF-40270 Palokka, Finland. (QSL the many OHs/PJ to individual operators' home calls.)
- The **KH0AM** multi-multi team from Saipan says they will automatically QSL every contest contact via the bureau; no cards required. Outside the test, look for individual operators as **AH0K** or home calls **KH0/** 33 kHz up on CW, 88 up on RTTY, and 1833, 3795, 7080, 14183, 18133, 21233, 24933, and 28533 kHz on SSB.
- **St. Lucia** has changed the callsign allocation for visitors. Look for **J69** prefixes in place of J6L. See Issue 613 for more details. The SWODXA contest call remains **J6DX**.
- **6V6U** is the contest call of 6W6/K3IPK.
- QSL the **VS6WO** M/S operation to K9EC, not AG9A.

Shortly Noted

- **HS0ZAP** is Lloyd W6KG and Iris W6QL Colvin, on the first stop of their annual Yasme DXpedition. Try the usual DX frequencies, often split 1 kHz up. (The 'usual DX frequencies' are: 3505, 7005, 25 kHz up on 10-20 meters, and near the bottom of the new bands on CW; and 3795, 14195, 21295, and 28495 on SSB.) QSL Yasme, Box 2025, Castro Valley CA 94546.
- The **D2ACA** DXpedition has been postponed again. Cards from the previous operation are still not out.
- **7Q7TT** is the call of Phil N6ZZ, not 7Q7LA.
- **GB6SA** will celebrate International St. Andrew's Day Nov. 30. Look for stations in Greece and Russia, too.
- **HC60JB** is a special-event station Dec. 6-7. QSL to HCJB Radio, Box 691, Quito, Ecuador. Try 14225, 21300, and 28500 kHz.
- **JJ1VKL/4S7** is often on 1833 kHz at 2330-0030Z, just before his sunrise.
- **5V7AK** and **5V7RC** are the callsigns of OZ1LLC and OZ1LQH, to Nov. 29, mostly CW. 5V7AK will be active in the CQWW CW test. QSL to OZ1LLC. ([DXNS](#).)
- **West Africa:** Arno OH7XM should be on soon from a West African spot: J5, 3X, 9L, or C5.
- **9L1US** Dave Heil ended his African operation Nov. 10.
- **9K2ZZ** now has an 80-meter antenna, and expects to be on 160 meters around Christmas.
- **YA2CW** is again active; try 40-meter CW. QSL F2CW.
- **VP8CGK** is trying some slow-speed CW from South Georgia, but he is not fond of pile-ups. QSL GM4KLO.
- **VS6CT** and **VS6VO** are often on 28544 kHz at 0000Z weekends.
- **S79MX** looks for USA on 7006 kHz at 0000Z.
- **7K2-7N4** prefixes have been allocated to the Kanto (Tokyo) area, when JA1-7N1 prefixes ran out.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before						
		Date	Flux A	K	Date	Flux A	K		
November 1991									
22	Low Normal	10/26	251	22/27	4	09/27	178	36/38	4
23	Below Normal	10/27	249	37/38	3	09/28	176	25/33	5
24	Disturbed	10/28	271	98/77	5	09/29	195	12/13	3
25	Disturbed	10/29	272	100/97	5	09/30	200	15/23	3
26	Low Normal	10/30	262	16/24	4	10/01	208	31/46	6
27	Below Normal	10/31	232	37/40	4	10/02	221	30/46	4
28	Disturbed	11/01	230	55/68	5	10/03	212	21/18	2
29	Low Normal	11/02	218	25/29	3	10/04	213	25/27	5
30	High Normal	11/03	186	12/13	3	10/05	193	12/14	2
December 1991									
01	Low Normal	11/04	177	26/23	5	10/06	182	22/20	4
02	Low Normal	11/05	176	21/24	3	10/07	180	25/23	3
03	Low Normal	11/06	187	21/19	2	10/08	179	30/36	4
04	High Normal	11/07	194	12/09	3	10/09	184	11/14	1
05	Disturbed	11/08	200	64/66	6	10/10	180	21/30	3

Propagation Watch

Propagation continues to vary between great and awful. Following the major disturbance Nov. 8-9, the bands improved dramatically by mid-week. Then Sunspot Region 6619 kicked up a series of flares. These flares produced some brief radio blackouts on the sunlit side of the earth, and stirred up the geomagnetic field. The result was the loss of the polar paths, and long paths that go through polar latitudes. North-south and low-latitude paths remained good.

Unfortunately for DXers, Region 6891, which chewed up the bands last month, is back, and apparently active. It produced a couple of M-class flares as it first rotated around the east limb of the sun. The prominence from one of these flares was visible .56 solar radii out. If this stream of highly charged particles had been aimed at the earth, we would have suffered a massive solar storm. This coming week Region 6929 (as 6891 is numbered this solar rotation) will be in a position to severely disrupt the earth's geomagnetic field. Be prepared for changing band conditions.

The so-called quiet side of the sun rotates in our direction as November ends. Look for better HF conditions then. Meanwhile, VHF enthusiasts are enjoying some excellent aurora, 6-meter openings, and other DXcitement.

Islands On The Air

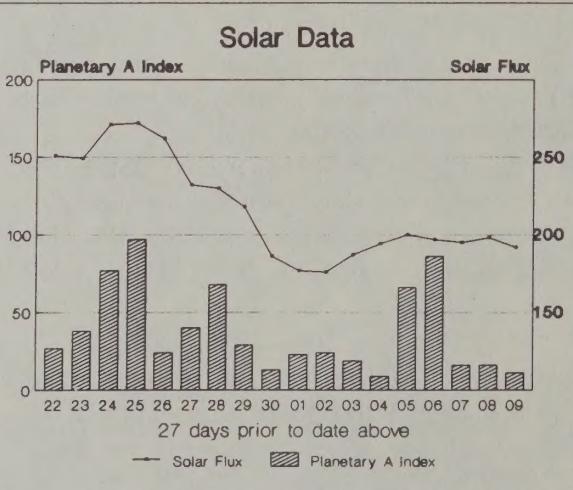
- Ralph Hirsch will operate as **K1RH/1D3** from Dauphin Island off Alabama (NA-142) beginning Dec. 6.
- **SH3OH** will operate from Pemba Is. (AF-???) soon, per guest op OH0RJ. QSL home call.
- **4K3ZZZ** on Kildin Is. (EU-082) has been on 21200 kHz at 1400Z; QSL UA1ZX.
- **4K4POL** on Kolyuchin Is. (AS-065) is on 14030 kHz at 1320Z.
- **NU2L1** to Nov. 26 is Martin G3ZAY, from (NA-136) and (NA-137). (DXNS.)
- **UA0QBO/a** is on Gusmp Island (NA-070); try 14026 kHz at 0130-0330Z.
- **UA9K/RA9LI** is on (AS-083); try 14026 kHz at 0350Z.
- **UA0QFC/4K4** will be on Dunay Island (AS-082) after Nov. 27.
- The YB8VM group will activate YE8W Sula Island (OC-076) and YE8X Tanimbar Island (OC-???) soon.
- **HH4QM** was on Florida Island (NA-???)

Shortly Noted, Continued

- **SSB Net check-ins:** **14236** kHz (03Z): 9X5NH HZ1AB 7Q7LA SU1ER; **14227** (12/23Z): Z22JE J39CO CN8NS VU2XO HS1ZAB JT1CS C21BR (Mondays); **14256** (2330Z): AP2JZB 9X5SW 3A/F9UW 3X0HNU 5T5HH; **21313**: 7Q7BX TL8GN; **21335**: 3A2LU YC0FEO 3B9FR; **28510** (14Z): FT4WC A61AD FR5AI/J UZ2FWA CE9AA.
- **RTTY report:** Some regulars: **9L1SL** 14089 kHz at 1900Z; **UW0FZ** 21085 0100Z; **Z21HJ** 21084 1730Z. Some spots: **3B8CF** 14081 0325Z; **BY4AA** 21085 1110Z; **TY1PS** 21090 1520Z; **TU2BB** 21074 ARQ 2000Z; **ZC4KS** 24088 2100Z; **XQ0X** 14083 0130Z; **A35TE** 14075 0400Z; **VQ9QW** 21085 1230Z; **9K2ZZ** 14080 1815Z; **EL5G** 14091 2210Z; **3D2MP** 14073 0830Z; and **BV2DQ** 14090 1700Z.
- **Six meters:** **T70A**, the club station of San Marino, is often on 50300 kHz at 2000Z Fridays. (DX-NL.) The **N0TG/KP1** Navassa operation in January will carry 6-meter gear. Magic Band has been hopping, with wide-spread auroras and extremely high Maximum Useable Frequencies (MUFs) on trans-continental paths. California stations worked into the Northwest on aurora, and South America and Oceania on F2. Some selected 6-meter spots:

Six-Meter Bandpass

6 Meters	LU7DZ	50113	1605	9	MA				
4U1UN	50150	1923	10	MA	LU7VB	50110	2125	10	CA
7Q7CM	50116	1433	4	VA	LU8EEM	50119	1606	9	MA
CN2JP	50090	1415	12	NY	PJ9EE	50125	0145	9	LA
CX4AS	50110	1822	9	OR	PY0FF	50110	1348	10	MA
CX8BE	50129	1610	9	MA	PY5CC	50105	1527	9	CA
FK8EB	50104	2135	9	FL	PZ1AP	50110	1412	7	FL
F05DR	50109	1800	5	CA	PZ1EL	50152	1638	9	CA
HC1BI	50105	1610	9	SC	TI2KD	50108	1525	9	CA
HC5K	50110	1712	9	MA	TI2NA	50134	1623	9	MA
HC8GR	50108	1614	10	MA	V73AT	50073	2030	10	CA
JA1UIU	50135	2147	9	CA	VE1YX	50100	1754	7	CA
JG2BRI	50075	2313	9	FL	VK4BRG	50107	2130	9	CA
KG6DX	50020	2210	9	CA	XE3WMA	50115	1725	9	CA
KH6IAA	50102	1730	9	CA	XQ3SIX	50123	1646	9	MA
KH6JEB	50108	1810	9	CA	YN1CC	50114	1350	10	MA
KH6VP	50113	1805	9	CA	ZL2KT	50120	1958	4	CA
LU6DLB	50110	1820	9	OR	ZL4AAA	50095	2122	9	FL



B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

RTTY

3B8CF	14089	0335	12	OH
9L1SL	14088	1906	12	OH
BY4AA	14086	0750	9	CA
EA6ZP	28092	1601	10	FL
HP1XNE	14086	0055	13	FL
P29BT	14085	1200	5	OH
RC2AZ	21091	1515	10	OH
RO4OA	28089	1515	10	OH
TA5C	28084	1408	16	FL
TA5C	14088	2309	15	FL
UA9MA	14088	0145	12	OH
UH8EA	14093	1950	9	OH
UW0FZ	21085	0050	14	PA
UZ9LWE	21085	1457	10	FL
XQ0X	14085	0230	2	OH
Z21GZ	28088	1428	16	FL
Z21HJ	14085	2040	9	OH
Z21HJ	21085	2050	16	FL
ZS6AJW	28081	1414	16	FL

80 Meters

KH2D	3509	1225	6	AL
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75 Meters

9M2DM	3794	1419	7	CA
A45ZZ *	3794	1412	7	CA
FK8CP	3799	1351	8	CA
HH2PK	3798	0402	7	MD
HZ1AB *	3799	1404	10	CA
LA6WEA *	3794	1421	7	CA
P29DX	3794	1447	15	OR
UA3AHH *	3799	1401	9	CA
UL8LWZ *	3799	1412	9	CA
UZ6LWZ	3791	0409	9	CA
Y02BHL	3772	0420	9	IA

40 Meters

7Q7TT	7002	0300	16	FL
BV2TA	7003	1405	12	MT
EA6NB	7003	0430	8	WY
JT1CO	7004	1440	12	ID
TA2AO	7004	0355	12	NY
UA9TT	7010	0300	8	IA
UF6FJ	7004	0104	16	FL
UF6VB	7007	0122	12	FL
UH8EA	7001	2303	14	PA
UM0MO *	7006	1203	9	ID
V63JC	7181	0705	8	IA
ZD8OK	7003	0556	9	MD

30 Meters

4K1ADQ	10102	0212	14	PA
6W6JX	10119	0549	13	OH
9K2ZZ	10107	0333	13	PA
ES1AR	10105	0530	12	PA
KH6AFS	10103	0459	15	CT
LZ1XL	10117	0350	10	CT
SV0DV/9	10102	0310	13	GA
UD850DC	10107	0415	15	CT
VQ9QM	10104	1200	11	PA
YS1AG	10105	1338	16	FL
ZS6QU	10104	0116	13	FL

20 Meter CW

3DA0AU	14069	0345	12	OH
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3X0HNU

14010 0737 8 CA

4K1A

14019 0047 13 FL

4K1ADQ

14015 0117 14 FL

4K1B

14007 0235 13 GA

4K2MAL

14027 1438 12 ID

4K3OLL

14033 0425 15 GA

4K3OLL

14020 1540 12 OR

4K4BCU

14012 0211 8 MT

4S7CF

14004 0047 13 FL

4S7NE

14002 0113 14 FL

4S7WP

14015 2115 10 GA

5H3GB

14068 0400 12 OH

7Q7TT

14032 0409 13 UT

A35VJ

14005 1159 9 NY

BV2TA

14008 1125 15 GA

BV2TA

14027 1508 12 ID

CN2AQ

14023 0718 6 CA

FR5DD *

14024 0335 11 IL

HS0ZAP

14010 1348 16 FL

HS1CDX *

14005 1225 13 GA

HZ1AB

14026 1330 10 IL

J28FO

14012 0355 8 IA

JT1BS

14030 0205 7 IA

JT8AA

14018 0119 14 FL

OX3BV

14010 0038 14 FL

OY3QN

14026 1114 7 VA

OY3QN

14026 2250 8 IA

P29DK

14011 1302 13 ID

T77C

14022 2102 16 FL

TF3CW

14021 0035 7 IA

UD850AI

14001 0300 8 MT

UD850AI

14019 1421 12 ID

UH8YM

14018 0430 16 OR

UI8CQ

14018 0210 7 MI

UI9ACQ

14022 0302 14 ID

UJ8RA

14253 0316 13 MT

UL7LGW

14009 2346 10 FL

UL7RE

14253 0318 13 MT

UM8MK *

14009 0210 7 CA

UZ0OWO

14026 1259 6 AL

V31RA

14010 0040 14 FL

V44KAI

14029 0128 12 FL

VP8BC

14007 0101 10 CA

VQ9AR

14025 1250 5 TX

VU2KFR

14005 1455 4 MI

VU2NI *

14007 1230 13 GA

VU2RJ

14023 1313 12 ID

YA/

14037 0333 15 CT

OK1IAI

ZA1TAD

14025 0100 14 FL

20 Meter SSB

3X0HNU

14256 0018 12 CA

9K2SB

14224 2148 6 MD

9K2YA

14277 1952 8 MD

9V1YQ *

14193 1228 12 GA

A92EV

14170 0330 8 IA

AP2SQ

14206 0220 7 CA

C9RZZ

14192 0406 13 TX

HZ1AB

14190 1449 9 IL

JT1BS

14204 0205 12 OH

KC4AAA

14290 0411 10 MD

SU1ER

14236 0639 8 WI

T32O

14224 0615 9 BC

UI8ZAA

14167 0334 13 TX

VP8CGK

14226 2230 8 IA

VR6BX

14248 0414 6 MD

VS6WO

14173 1151 3 NH

XX9AS

14200 1253 12 MD

3B9FR

18084 1828 14 PA

3B9UF

18090 1235 7 SC

AH3B

18071 1903 7 OH

HC5AI

18080 2322 11 FL

UA9LEG

18077 2325 11 FL

UF7FWW

18074 1441 9 CT

YA/

18085 1440 10 CT

OK1IAI

18080 2242 6 SC

YN/

18090 1959 12 OH

17 Meter SSB

7X2DG

18115 1352 9 CT

VR6BX

18135 0212 15 PA

15 Meter CW

3X0HNU

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Issue 614 - November 22, 1991

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Afghanistan	YA	YA2CW	Now-Jan.	I610
Angola	D2	D2ACA	postponed	I614
Antigua	V2	V2/G6QQ	Now-Nov. 26	I612
Bahamas	C6A/WJ2O		Nov. 20-27	I613
	C6A/KM1E		Dec. 1-Jan. 15	I614
Bangladesh	S2	S21A/B	soon	I613
Barbados	8P	8P9HT	Nov. 20-26	I613
Brunei	V8	V85XO	Nov. 25-Dec. 2	I614
Eastern Malaysia	9M6NA		Nov. 20-25	I613
Fiji	3D	3D2? KQ1F/K1XM	Nov. 25-Dec. 2	
Grenada	J3	by YLs	Nov. 18-26	I612
Hong Kong	VS6/	GU4XGG	Oct. 18-Dec.	I608
		VS6/W9s	Nov. 21-30	I613
Isle of Man	GD	GD4UOL	Nov. 15-29	I612
Jan Mayen	JX	JX9EHA, JX3EX	Now-Dec.	I611
St. Lucia	J6	by W8s	Nov. 19-Dec. 2	I613
San Felix	CE0X	XQ0X	Now active	I602
Seychelles	S7	S79MX	Now-Nov. 30	I611
Senegal	6W	6W6DV?	Nov. 21-25	I612
Svalbard	JW	JW9XG 8XM	Nov. 22-25	I613
Thailand	HS	HS1BV	21300/14-21Z	I608
		HS0ZAP	Now by Colvins	I614
Togo	5V	5V7JG	Now-Dec.	I596
		5V7AK	to Nov. 29	I614
Tonga	A3	A35? KQ1F/K1XM	Nov. 18-25	I612
Turks and Caicos	VP5	by WB8GEX	Nov. 27-Dec. 2	I614

Contributors

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Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
■ Afghanistan ?	YA/OK1IAI	28037	13-1400Z
■ Algeria	7X2DG	28420	1430Z
■ Antarctica	4K1A	14004	0200Z
■ Ascension Island	ZD8LII	18070	2000Z
■ Ascension Island	ZD8OK	7002	0600Z
■ Azerbaijan	UD6DCG	28478	1300Z
■ Balearic Islands	EA6NB	7002	0430Z
■ China	BY4RB	15M CW	00-0200Z
■ Crete	SV0DV/9	10102	0300Z
■ Easter Island	CE0FFD	28010	1600Z
■ Guinea	3X0HNU	21015	1130Z
■ Iceland	TF3CW	14020±	01-0400Z
■ Indonesia	YC3OSE	28009	2330Z
■ Kirghizia	UM0MO	7004	12-1400Z
■ Kuwait	9K2TC	28540±	1340Z
■ Malawi	7Q7TT	7001	0300Z
■ Mali	TZ6VV	28480	1400Z Tues
■ Mongolia	JT1BS	21013±	0130Z
■ Pitcairn Island	VR6BX	28455	16-2200Z
■ Rwanda	9X5HG	15M CW	00-0200Z
■ Senegal	6W6JX	28015	1600Z
■ Sierra Leone	9L1SL	28500±	1300Z
■ South Shetland Is.	4K1ADQ	14015	0130Z
■ Sri Lanka	4S7WP	14026	0000Z Wed
■ St. Helena Island	ZD7VC	28483	10-1400Z
■ Taiwan	BV2YA	20M CW	1130Z
■ Turkmenistan	UH8EA	28435±	1300Z
■ Turkey	TA3F	28483	1530Z Sat/Sun
■ United Arab Emirates	A61AD	28505	1300Z
■ Uzbekistan	UI9ACQ	20M CW	13/03Z
■ Western Samoa	5W1VJ	10M CW	1945Z
■ Zaire	9Q5SF	10M SSB	1230Z

Operating Events and DX Gatherings

Dates	Event	Reference:
Dec. 6-8	ARRL 160-Meter Test	<u>QST</u>
Dec. 14-15	ARRL 10-Meter Contest	<u>QST</u>
Jan. 4-5, 1992	ARRL RTTY Roundup	<u>QST</u>
Jan. 24-26	CQWW 160-Meter CW Test	<u>CQ</u>